Problem Statement:

Adityrajsinh, Divy, and Pratham are three notorious engineering students at **"Rajanikant Institute of Technology"** (RIT), infamous for their procrastination skills and never-ending chai-sutta breaks. They've been slacking off, chilling in the canteen, and now they are in deep trouble. Their strict professor, **Mr. Khadoos Kumar**, has warned them that if they don't submit a properly formatted Java program with a team name before **11:59 PM tonight**, they'll not only face **"Zero marks aur waatt lagegi"** but will also be forced to attend **weekend remedial classes!** (A fate worse than death for them).

To escape this dire situation, the trio must create a perfect team name following these convoluted rules set by Mr. Khadoos Kumar, who has a flair for sadistic creativity:

1. **Adityrajsinh**, also known as "The Maharaja," has a royal ego the size of an elephant. He insists the team name must **start with the reverse of the first half** of his name, because "reverse engineering hi asli engineering hai, bro."

2. **Divy**, the self-proclaimed "Tech Guru," claims that technology bends to his will. He wants the team name to **include every alternate character of his name in uppercase**, scattered evenly throughout the name, like Easter eggs, because "Dekh bhai, random is the new cool."

3. **Pratham**, the laid-back "Sutta King," believes that life should be simple. He insists on **removing all vowels from the last half** of his name, because "Sutta bhi bina filter ke chalta hai, toh naam bhi bina vowels ke chalega." However, his part must always be in lowercase, because "cool factor maintain hona chahiye."

4. **Additional Khadoos Kumar Conditions**:

   - The final team name must be exactly **15 characters long**, because Mr. Khadoos Kumar believes in symmetry. If the name is too short, **fill with random special characters** (@, #, $, etc.) till it reaches the length. If it's too long, it must be **compressed by removing duplicate consonants** from the name.
   - To make matters worse, every name adjustment should be done in alternating case, because "Naam mein swag hona chahiye," as Pratham would say.

Task:

Write a Java program that:

1. Defines a class `TeamName` with the following methods:

   - `generateBaseName()`:
     - Reverses the first half of Adityrajsinh's name.
     - Inserts every alternate character of Divy's name in uppercase at random positions in the base name.
     - Appends Pratham's name without vowels, all in lowercase.
   - `adjustLengthTo15()`:
     - Adjusts the generated name to exactly 15 characters by adding random special characters (@, #, $, etc.) if too short or compressing it by removing duplicate consonants if too long.

- `alternateCaseSwag()`:
  - Alternates the case of characters in the name for the final touch of swag.

2. Print the final team name that can save the trio from remedial classes and Mr. Khadoos Kumar's wrath.

Example:

For the names "Adityrajsinh", "Divy", and "Pratham":

- **Base Team Name**: `ytidvTHAM` (First half of "Adityrajsinh" reversed = "ytidA", alternate characters of "Divy" uppercase = "D" and "V" inserted, Pratham's last half without vowels = "tham").
- **Adjusted Team Name**: `ytidvTHAM#@!$` (Filled with special characters to reach 15 characters).
- **Final Team Name**: `YtIdVtHaM#@!$` (Alternating case for swag).

Submission Deadline:

If this program isn't submitted by **11:59 PM sharp**, it's not just **"Lag gayi, waatt!"**, it's also **"Bure din shuru, weekend remedial classes pakka!"**

Can Adityrajsinh, Divy, and Pratham put aside their quirks, follow all the complex conditions, and save themselves from Mr. Khadoos Kumar's cruel plans?