**Services directory**

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| This project is developed by : Raveena Phadnis | | | |
| Service name, with input and output types | TryIt Link | Service description | Planned resources need to implement the service |
| Solar Energy Service  Input: latitude and longitude as floats  Output: float average sunshine index | [TryIt](http://webstrar65.fulton.asu.edu/page1/Member/Member) | A service that returns the annual average sunshine index of a given position (latitude, longitude). This service can be used for deciding if installing solar energy device is effective at the location. | This service uses an API from power.larc.nasa.gov to get the solar energy index for several months and averages it. |
| Wind Energy Service  Input: latitude and longitude as floats  Output: Average windspeed as float | [TryIt](http://webstrar65.fulton.asu.edu/page1/Member/Member) | A service that returns the annual average wind index of a given position (latitude, longitude). This service can be used for deciding if installing windmill device is effective at the location | This service uses an API from power.larc.nasa.gov to get the wind energy index for several months and averages it. |
| 5 day weather forecast  Input: string zipcode  Output: Table of min and max temperatures | [TryIt](http://webstrar65.fulton.asu.edu/page1/Member/Member) | A 5 day weather forecast in the form of min and maximum temperatures is returned to the user. | This service needs two api calls from dataservice.accuweather.com  The first API call returns the location key which is then used by the second API call to get the 5 day weather forecast |
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